

<110> INCYTE CORPORATION  
 RAMKUMAR, Jayalaxmi  
 SWARNAKAR, Anita  
 ELLIOT, Vicki S.  
 HAFALIA, April J. A.  
 RICHARDSON, Thomas W.  
 LEE, Soo Yeun  
 LINDQUIST, Erika A.  
 MARQUIS, Joseph P.  
 CHAWLA, Narinder K.  
 KHARE, Reena  
 BECHA, Shanya D.

<120> IMMUNE RESPONSE ASSOCIATED PROTEINS

<130> PF-1565, PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/407,561

<151> 2002-08-30

<150> US 60/410,178

<151> 2002-09-11

<150> US 60/410,571

<151> 2002-09-13

<150> US 60/419,906

<151> 2002-10-18

<150> US 60/421,445

<151> 2002-10-25

<160> 70

<170> PERL Program

<210> 1

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7519269CD1

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Ser	Gly	Leu	Glu	Glu	Leu	His	Ala	Ser	His	Ile	Pro	Thr	Ala	Asn
			20						25					30
Pro	Gly	His	Cys	Ile	Thr	Asp	Pro	Pro	Ser	Leu	Gly	Pro	Gln	Tyr
			35						40					45
His	Pro	Arg	Ser	Asn	Ser	Glu	Ser	Ser	Thr	Ser	Ser	Gly	Glu	Asp
			50						55					60
Tyr	Cys	Asn	Ser	Pro	Lys	Ser	Lys	Leu	Pro	Pro	Trp	Asn	Pro	Gln
			65						70					75
Val	Phe	Ser	Ser	Glu	Arg	Ser	Ser	Phe	Leu	Glu	Gln	Pro	Pro	Asn
			80						85					90
Leu	Glu	Leu	Ala	Gly	Thr	Gln	Pro	Ala	Phe	Ser	Gly	Ser	Pro	Ser
			95						100					105
Pro	Gln	Pro	Asp	Ser	Thr	Asp	Asn	Asp	Asp	Tyr	Asp	Asp	Ile	Ser

Ala Ala 110 115 120

<210> 2  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 Met Trp Leu Phe Phe Gly Ile Thr Gly Leu Leu Thr Ala Ala Pro  
 1 5 10 15  
 Ser Glu Ser Ser Val Thr Val Lys Ile Glu Asn Lys Glu Ser Arg  
 20 25 30  
 Glu Leu Met Leu Leu Ile Pro Ser Ile Val Leu Gly Ile Leu Leu  
 35 40 45  
 Leu Gly Ser Leu Ile Phe Ile Ala Phe Ile Leu Leu Arg Ile Lys  
 50 55 60  
 Gly Lys Tyr Val Phe Met Leu Pro Ile Gln Val Gln Ala Pro Pro  
 65 70 75  
 Pro Glu Asp Ser Asp Ser Gly Ser Asp Ser Asp Tyr Glu His Tyr  
 80 85 90  
 Asp Phe Ser Ala Gln Pro Pro Val Ala Leu Thr Thr Phe Tyr Asn  
 95 100 105  
 Ser Gln Arg His Arg Val Thr Asp Glu Glu Val Gln Gln Ser Arg  
 110 115 120  
 Phe Gln Met Pro Pro Leu Glu Glu Gly Leu Glu Glu Leu His Ala  
 125 130 135  
 Ser His Ile Pro Thr Ala Asn Pro Gly His Cys Ile Thr Asp Pro  
 140 145 150  
 Pro Ser Leu Gly Pro Gln Tyr His Pro Arg Ser Asn Ser Glu Ser  
 155 160 165  
 Ser Thr Ser Ser Gly Glu Asp Tyr Cys Asn Ser Pro Lys Ser Lys  
 170 175 180  
 Leu Pro Pro Trp Asn Pro Gln Val Phe Ser Ser Glu Arg Ser Ser  
 185 190 195  
 Phe Leu Glu Gln Pro Pro Asn Leu Glu Leu Ala Gly Thr Gln Pro  
 200 205 210  
 Ala Phe Ser Gly Ser Pro Ser Pro Gln Pro Asp Ser Thr Asp Asn  
 215 220 225  
 Asp Asp Tyr Asp Asp Ile Ser Ala Ala  
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<210> 3  
 <211> 180  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7519531CD1

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 Met Trp Leu Phe Phe Gly Ile Thr Gly Leu Leu Thr Ala Ala Leu  
 1 5 10 15  
 Ser Asp Ser Gln Arg His Arg Val Thr Asp Glu Glu Val Gln Gln  
 20 25 30  
 Ser Arg Phe Gln Met Pro Pro Leu Glu Glu Gly Leu Glu Glu Leu  
 35 40 45

His	Ala	Ser	His	Ile	Pro	Thr	Ala	Asn	Pro	Gly	His	Cys	Ile	Thr	
				50					55						60
Asp	Pro	Pro	Ser	Leu	Gly	Pro	Gln	Tyr	His	Pro	Arg	Ser	Asn	Ser	
				65					70						75
Glu	Ser	Ser	Thr	Ser	Ser	Gly	Glu	Asp	Tyr	Cys	Asn	Ser	Pro	Lys	
				80					85						90
Ser	Lys	Leu	Pro	Pro	Trp	Asn	Pro	Gln	Val	Phe	Ser	Ser	Glu	Arg	
				95					100						105
Ser	Ser	Phe	Leu	Glu	Gln	Pro	Pro	Asn	Leu	Glu	Leu	Ala	Gly	Thr	
				110					115						120
Gln	Pro	Ala	Phe	Ser	Gly	Pro	Pro	Ala	Asp	Asp	Ser	Ser	Ser	Thr	
				125					130						135
Ser	Ser	Gly	Glu	Trp	Tyr	Gln	Asn	Phe	Gln	Pro	Pro	Pro	Gln	Pro	
				140					145						150
Pro	Ser	Glu	Glu	Gln	Phe	Gly	Cys	Pro	Gly	Ser	Pro	Ser	Pro	Gln	
				155					160						165
Pro	Asp	Ser	Thr	Asp	Asn	Asp	Asp	Tyr	Asp	Asp	Ile	Ser	Ala	Ala	
				170					175						180

<210> 4  
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 <213> Homo sapiens

<220>  
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Met	Arg	Ala	Pro	Gly	Arg	Pro	Ala	Leu	Arg	Pro	Leu	Pro	Leu	Pro	
1				5					10						15
Pro	Leu	Leu	Leu	Leu	Leu	Leu	Ala	Ala	Pro	Trp	Gly	Arg	Ala	Val	
				20					25						30
Pro	Cys	Val	Ser	Gly	Gly	Leu	Pro	Lys	Pro	Ala	Asn	Ile	Thr	Phe	
				35					40						45
Leu	Ser	Ile	Asn	Met	Lys	Asn	Val	Leu	Gln	Trp	Thr	Pro	Pro	Glu	
				50					55						60
Gly	Leu	Gln	Gly	Val	Lys	Val	Thr	Tyr	Thr	Val	Gln	Tyr	Phe	Ile	
				65					70						75
Gly	Pro	Ser	Val												

<210> 5  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7519541CD1

Met	Asn	Leu	Ala	Ile	Ser	Ile	Ala	Leu	Leu	Leu	Thr	Val	Leu	Gln	
1				5					10						15
Val	Ser	Arg	Gly	Gln	Lys	Val	Thr	Ser	Leu	Thr	Ala	Cys	Leu	Val	
				20					25						30
Asp	Gln	Ser	Leu	Arg	Leu	Asp	Cys	Arg	His	Glu	Asn	Thr	Ser	Ser	
				35					40						45
Ser	Pro	Ile	Gln	Tyr	Glu	Phe	Ser	Leu	Thr	Arg	Glu	Thr	Lys	Lys	
				50					55						60
His	Val	Leu	Phe	Gly	Thr	Val	Gly	Val	Pro	Glu	His	Thr	Tyr	Arg	
				65					70						75

Ser	Arg	Thr	Asn	Phe	Thr	Ser	Lys	Tyr	Asn	Met	Lys	Val	Leu	Tyr	
				80					85					90	
Leu	Ser	Ala	Phe	Thr	Ser	Lys	Asp	Glu	Gly	Thr	Tyr	Thr	Cys	Ala	
				95					100					105	
Leu	His	His	Ser	Gly	His	Ser	Pro	Pro	Ile	Ser	Ser	Gln	Asn	Val	
				110					115					120	
Thr	Val	Leu	Arg	Gly	His	Gly	Phe	His	Val	Pro	Val	Thr	Gly	Gly	
				125					130					135	
Ala	His	Gly	Gly	Asp	Arg	Lys	Pro	Gln	Val	Pro	Val	Gln	Arg	Ser	
				140					145					150	

&lt;210&gt; 6

&lt;211&gt; 211

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520794CD1

&lt;400&gt; 6

Met	Trp	Leu	Leu	Val	Ser	Val	Ile	Leu	Ile	Ser	Arg	Ile	Ser	Ser	
1				5					10					15	
Val	Gly	Gly	Glu	Ala	Met	Phe	Cys	Asp	Phe	Pro	Lys	Ile	Asn	His	
				20					25					30	
Gly	Ile	Leu	Tyr	Asp	Glu	Glu	Lys	Tyr	Lys	Pro	Phe	Ser	Gln	Val	
				35					40					45	
Pro	Thr	Gly	Glu	Val	Phe	Tyr	Tyr	Ser	Cys	Glu	Tyr	Asn	Phe	Val	
				50					55					60	
Ser	Pro	Ser	Lys	Ser	Phe	Trp	Thr	Arg	Ile	Thr	Cys	Ala	Glu	Glu	
				65					70					75	
Gly	Trp	Ser	Pro	Thr	Pro	Lys	Cys	Leu	Ile	Ser	Ala	Glu	Lys	Cys	
				80					85					90	
Gly	Pro	Pro	Pro	Pro	Ile	Asp	Asn	Gly	Asp	Ile	Thr	Ser	Phe	Leu	
				95					100					105	
Leu	Ser	Val	Tyr	Ala	Pro	Gly	Ser	Ser	Val	Glu	Tyr	Gln	Cys	Gln	
				110					115					120	
Asn	Leu	Tyr	Gln	Leu	Glu	Gly	Asn	Asn	Gln	Ile	Thr	Cys	Arg	Asn	
				125					130					135	
Gly	Gln	Trp	Ser	Glu	Pro	Pro	Lys	Cys	Leu	Asp	Pro	Cys	Val	Ile	
				140					145					150	
Ser	Gln	Glu	Ile	Met	Glu	Lys	Tyr	Asn	Ile	Lys	Leu	Lys	Trp	Thr	
				155					160					165	
Asn	Gln	Gln	Lys	Leu	Tyr	Ser	Arg	Thr	Gly	Asp	Ile	Val	Glu	Phe	
				170					175					180	
Val	Cys	Lys	Ser	Gly	Tyr	His	Pro	Thr	Lys	Ser	His	Ser	Phe	Arg	
				185					190					195	
Ala	Met	Cys	Gln	Asn	Gly	Lys	Leu	Val	Tyr	Pro	Ser	Cys	Glu	Glu	
				200					205					210	

Lys

&lt;210&gt; 7

&lt;211&gt; 93

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520826CD1

&lt;400&gt; 7

Met	Ser	Arg	Gly	Leu	Gln	Leu	Leu	Leu	Leu	Ser	Cys	Ala	Tyr	Ser
1				5					10					15
Leu	Ala	Pro	Ala	Thr	Pro	Glu	Val	Lys	Val	Ala	Cys	Ser	Glu	Asp
				20					25					30
Val	Asp	Leu	Pro	Cys	Thr	Ala	Pro	Trp	Asp	Pro	Gln	Val	Pro	Tyr
				35					40					45
Thr	Val	Ser	Trp	Val	Lys	Lys	Phe	Ala	Arg	Leu	Gln	Ser	Ile	Phe
				50					55					60
Pro	Asp	Phe	Ser	Lys	Ala	Gly	Met	Glu	Arg	Ala	Phe	Leu	Pro	Val
				65					70					75
Thr	Ser	Pro	Asn	Lys	His	Leu	Gly	Leu	Val	Thr	Pro	His	Lys	Thr
				80					85					90
Glu	Leu	Val												

&lt;210&gt; 8

&lt;211&gt; 219

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520871CD1

&lt;400&gt; 8

Met	Tyr	His	Gly	Met	Asn	Pro	Ser	Asn	Gly	Asp	Gly	Phe	Leu	Glu
1				5					10					15
Gln	Gln	Gln	Gln	Gln	Gln	Gln	Pro	Gln	Ser	Pro	Gln	Arg	Leu	Leu
				20					25					30
Ala	Val	Ile	Leu	Trp	Phe	Gln	Leu	Ala	Leu	Cys	Phe	Gly	Pro	Ala
				35					40					45
Gln	Leu	Thr	Gly	Asp	Cys	Arg	Ile	Pro	Gln	Ile	Glu	Asp	Ala	Glu
				50					55					60
Ile	His	Asn	Lys	Thr	Tyr	Arg	His	Gly	Glu	Lys	Leu	Ile	Ile	Thr
				65					70					75
Cys	His	Glu	Gly	Phe	Lys	Ile	Arg	Tyr	Pro	Asp	Pro	His	Asn	Met
				80					85					90
Val	Ser	Leu	Cys	Arg	Asp	Asp	Gly	Thr	Trp	Asn	Asn	Leu	Pro	Ile
				95					100					105
Cys	Gln	Gly	Cys	Leu	Arg	Pro	Leu	Ala	Ser	Ser	Asn	Gly	Tyr	Val
				110					115					120
Asn	Ile	Ser	Glu	Leu	Gln	Thr	Ser	Phe	Pro	Val	Gly	Thr	Val	Ile
				125					130					135
Ser	Tyr	Arg	Cys	Phe	Pro	Gly	Phe	Lys	Leu	Asp	Gly	Ser	Ala	Tyr
				140					145					150
Leu	Glu	Cys	Leu	Gln	Asn	Leu	Ile	Trp	Ser	Ser	Ser	Pro	Pro	Arg
				155					160					165
Cys	Leu	Ala	Leu	Glu	Gly	Gly	Arg	Pro	Glu	His	Leu	Phe	Pro	Val
				170					175					180
Leu	Tyr	Phe	Pro	His	Ile	Arg	Leu	Ala	Ala	Ala	Val	Leu	Tyr	Phe
				185					190					195
Cys	Pro	Val	Leu	Lys	Ser	Ser	Pro	Thr	Pro	Ala	Pro	Thr	Cys	Ser
				200					205					210
Ser	Thr	Ser	Thr	Thr	Thr	Ser	Leu	Phe						
				215										

&lt;210&gt; 9

&lt;211&gt; 221

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520952CD1

&lt;400&gt; 9

Met	Asp	Pro	Lys	Gln	Thr	Thr	Leu	Leu	Cys	Leu	Val	Leu	Cys	Leu
1				5					10					15
Gly	Gln	Arg	Ile	Gln	Ala	Gln	Glu	Gly	Asp	Phe	Pro	Met	Pro	Phe
				20					25					30
Ile	Ser	Ala	Lys	Ser	Ser	Pro	Val	Ile	Pro	Leu	Asp	Gly	Ser	Val
				35					40					45
Lys	Ile	Gln	Cys	Gln	Ala	Ile	Arg	Glu	Ala	Tyr	Leu	Thr	Gln	Leu
				50					55					60
Met	Ile	Ile	Lys	Asn	Ser	Thr	Tyr	Arg	Glu	Ile	Gly	Arg	Arg	Leu
				65					70					75
Lys	Phe	Trp	Asn	Glu	Thr	Asp	Pro	Glu	Phe	Val	Ile	Asp	His	Met
				80					85					90
Asp	Ala	Asn	Lys	Ala	Gly	Arg	Tyr	Gln	Cys	Gln	Tyr	Arg	Ile	Gly
				95					100					105
His	Tyr	Arg	Phe	Arg	Tyr	Ser	Asp	Thr	Leu	Glu	Leu	Val	Val	Thr
				110					115					120
Gly	Leu	Tyr	Gly	Lys	Pro	Phe	Leu	Ser	Ala	Asp	Arg	Gly	Leu	Val
				125					130					135
Leu	Met	Pro	Gly	Glu	Asn	Ile	Ser	Leu	Thr	Cys	Ser	Ser	Ala	His
				140					145					150
Ile	Pro	Phe	Asp	Arg	Phe	Ser	Leu	Ala	Lys	Glu	Gly	Glu	Leu	Ser
				155					160					165
Leu	Pro	Gln	His	Gln	Ser	Gly	Glu	His	Pro	Ala	Asn	Phe	Ser	Leu
				170					175					180
Gly	Pro	Val	Asp	Leu	Asn	Val	Ser	Gly	Ile	Tyr	Arg	Leu	His	Pro
				185					190					195
Pro	Arg	Leu	His	Asp	Ala	Glu	Leu	Asp	Pro	His	Gly	Arg	Gly	Arg
				200					205					210
Thr	Gly	Pro	Arg	Gly	Ser	Leu	Gly	His	Thr	Gly				
				215					220					

&lt;210&gt; 10

&lt;211&gt; 147

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521013CD1

&lt;400&gt; 10

Met	Ala	Arg	Gly	Ala	Ala	Leu	Ala	Leu	Leu	Leu	Phe	Gly	Leu	Leu
1				5					10					15
Gly	Val	Leu	Val	Ala	Ala	Pro	Asp	Gly	Gly	Phe	Asp	Leu	Ser	Asp
				20					25					30
Ala	Leu	Pro	Asp	Asn	Glu	Asn	Lys	Lys	Pro	Thr	Ala	Ile	Pro	Lys
				35					40					45
Lys	Pro	Ser	Ala	Gly	Asp	Asp	Phe	Asp	Leu	Gly	Asp	Ala	Val	Val
				50					55					60
Asp	Gly	Glu	Asn	Asp	Asp	Pro	Arg	Pro	Pro	Asn	Pro	Pro	Lys	Pro
				65					70					75
Met	Pro	Asn	Pro	Asn	Pro	Asn	His	Pro	Ser	Ser	Ser	Gly	Ser	Phe
				80					85					90
Ser	Asp	Ala	Asp	Leu	Ala	Asp	Gly	Val	Ser	Gly	Gly	Glu	Gly	Lys
				95					100					105
Gly	Gly	Ser	Asp	Gly	Gly	Gly	Ser	His	Arg	Lys	Glu	Gly	Glu	Glu
				110					115					120
Ala	Glu	Gln	Gly	Glu	Val	Asp	Met	Glu	Ser	His	Arg	Asn	Ala	Asn
				125					130					135
Ala	Glu	Pro	Ala	Val	Gln	Arg	Thr	Leu	Leu	Glu	Lys			

140

145

<210> 11  
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 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7520129CD1

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 Met Leu Arg Leu Leu Leu Ala Leu Asn Leu Ser Pro Ser Ile Gln  
 1 5 10 15  
 Val Thr Gly Asn Lys Ile Leu Val Lys Gln Ser Pro Met Leu Val  
 20 25 30  
 Ala Tyr Asp Asn Ala Val Asn Leu Ser Cys Lys Tyr Ser Tyr Asn  
 35 40 45  
 Leu Phe Ser Arg Glu Phe Arg Ala Ser Leu His Lys Gly Leu Asp  
 50 55 60  
 Ser Ala Val Glu Val Cys Val Val Tyr Gly Asn Tyr Ser Gln Gln  
 65 70 75  
 Leu Gln Val Arg Ser Lys Arg Ser Arg Leu Leu His Ser Asp Tyr  
 80 85 90  
 Met Asn Met Thr Pro Arg Arg Pro Gly Pro Thr Arg Lys His Tyr  
 95 100 105  
 Gln Pro His Ala Pro Pro Arg Asp Phe Ala Ala Tyr Arg Ser  
 110 115

<210> 12  
 <211> 184  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520219CD1

<400> 12  
 Met Leu Pro Pro Gly Thr Ala Thr Leu Leu Thr Leu Leu Leu Ala  
 1 5 10 15  
 Ala Gly Ser Leu Gly Gln Lys Pro Gln Arg Pro Arg Arg Pro Ala  
 20 25 30  
 Ser Pro Ile Ser Thr Ile Gln Pro Lys Ala Asn Phe Asp Ala Gln  
 35 40 45  
 Gln Glu Gln Gly His Arg Ala Glu Ala Thr Thr Leu His Val Ala  
 50 55 60  
 Pro Gln Gly Thr Ala Met Ala Val Ser Thr Phe Arg Lys Leu Asp  
 65 70 75  
 Gly Ile Cys Trp Gln Val Arg Gln Leu Tyr Gly Asp Thr Gly Val  
 80 85 90  
 Leu Gly Arg Phe Leu Leu Gln Ala Arg Asp Ala Arg Gly Ala Val  
 95 100 105  
 His Val Val Val Ala Glu Thr Asp Tyr Gln Ser Phe Ala Val Leu  
 110 115 120  
 Tyr Leu Glu Arg Ala Gly Gln Leu Ser Val Lys Leu Tyr Ala Arg  
 125 130 135  
 Ser Leu Pro Val Ser Asp Ser Val Leu Ser Gly Phe Glu Gln Arg  
 140 145 150  
 Val Gln Glu Ala His Leu Thr Glu Asp Gln Ile Phe Tyr Phe Pro  
 155 160 165  
 Lys Tyr Gly Phe Cys Glu Ala Ala Asp Gln Phe His Val Leu Asp  
 170 175 180

Glu Val Arg Arg

<210> 13  
 <211> 104  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7520229CD1

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 Met Leu Pro Pro Gly Thr Ala Thr Leu Leu Thr Leu Leu Leu Ala  
 1 5 10 15  
 Ala Gly Ser Leu Gly Gln Lys Pro Gln Arg Pro Arg Arg Pro Ala  
 20 25 30  
 Ser Pro Ile Ser Thr Ile Gln Pro Lys Ala Asn Phe Asp Ala Gln  
 35 40 45  
 Gln Phe Ala Gly Thr Trp Leu Leu Val Ala Val Gly Ser Ala Cys  
 50 55 60  
 Arg Phe Leu Gln Glu Gln Gly His Arg Ala Glu Ala Thr Thr Leu  
 65 70 75  
 His Val Ala Pro Gln Gly Thr Ala Met Ala Val Ser Thr Phe Arg  
 80 85 90  
 Lys Leu Pro Arg Arg Pro Arg Gly Cys Ala Arg Gly Cys Arg  
 95 100

<210> 14  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520239CD1

<400> 14  
 Met Leu Pro Pro Gly Thr Ala Thr Leu Leu Thr Leu Leu Leu Ala  
 1 5 10 15  
 Ala Gly Ser Leu Gly Gln Lys Pro Gln Arg Pro Arg Arg Pro Ala  
 20 25 30  
 Ser Pro Ile Ser Thr Ile Gln Pro Lys Ala Asn Phe Asp Ala Gln  
 35 40 45  
 Gln Phe Ala Gly Thr Trp Leu Leu Val Ala Val Gly Ser Ala Cys  
 50 55 60  
 Arg Phe Leu Gln Glu Gln Gly His Arg Ala Glu Ala Thr Thr Leu  
 65 70 75  
 His Val Ala Pro Gln Gly Thr Ala Met Ala Val Ser Thr Phe Arg  
 80 85 90  
 Lys Leu Asp Gly Ile Cys Trp Gln Ala Arg Gln Leu Tyr Gly Asp  
 95 100 105  
 Thr Gly Val Leu Gly Arg Phe Leu Leu Gln Ala Arg Asp Ala Arg  
 110 115 120  
 Gly Ala Val His Val Val Val Ala Glu Thr Asp Tyr Gln Ser Phe  
 125 130 135  
 Ala Val Leu Tyr Leu Glu Arg Ala Gly Gln Leu Ser Val Lys Leu  
 140 145 150  
 Tyr Glu Pro Ser Thr Pro Pro Gly Ala Arg Thr Pro Gly Thr Leu  
 155 160 165  
 Ser Ala Leu Gln Pro Ala Arg Ser Leu  
 170

<210> 15  
 <211> 346  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7518556CD1

<400> 15  
 Met Leu Phe Leu Gln Phe Leu Leu Leu Ala Leu Leu Leu Pro Gly  
   1                  5                  10                  15  
 Gly Asp Asn Ala Asp Ala Ser Gln Glu His Val Ser Phe His Val  
                   20                  25                  30  
 Ile Gln Ile Phe Ser Phe Val Asn Gln Ser Trp Ala Arg Gly Gln  
                   35                  40                  45  
 Gly Ser Gly Trp Leu Asp Glu Leu Gln Thr His Gly Trp Asp Ser  
                   50                  55                  60  
 Glu Ser Gly Thr Ile Ile Phe Leu His Asn Trp Ser Lys Gly Asn  
                   65                  70                  75  
 Phe Ser Asn Glu Glu Leu Ser Asp Leu Glu Leu Leu Phe Arg Phe  
                   80                  85                  90  
 Tyr Leu Phe Gly Leu Thr Arg Glu Ile Gln Asp His Ala Ser Gln  
                   95                  100                 105  
 Asp Tyr Ser Lys Tyr Pro Phe Glu Val Gln Val Lys Ala Gly Cys  
                  110                 115                 120  
 Glu Leu His Ser Gly Lys Ser Pro Glu Gly Phe Phe Gln Val Ala  
                  125                 130                 135  
 Phe Asn Gly Leu Asp Leu Leu Ser Phe Gln Asn Thr Thr Trp Val  
                  140                 145                 150  
 Pro Ser Pro Gly Cys Gly Ser Leu Ala Gln Ser Val Cys His Leu  
                  155                 160                 165  
 Leu Asn His Gln Tyr Glu Gly Val Thr Glu Thr Val Tyr Asn Leu  
                  170                 175                 180  
 Ile Arg Ser Thr Cys Pro Arg Phe Leu Leu Gly Leu Leu Asp Ala  
                  185                 190                 195  
 Gly Lys Met Tyr Val His Arg Gln Val Arg Pro Glu Ala Trp Leu  
                  200                 205                 210  
 Ser Ser Arg Pro Ser Leu Gly Ser Gly Gln Leu Leu Leu Val Cys  
                  215                 220                 225  
 His Ala Ser Gly Phe Tyr Pro Lys Pro Val Trp Val Thr Trp Met  
                  230                 235                 240  
 Arg Asn Glu Gln Glu Gln Leu Gly Thr Lys His Gly Asp Ile Leu  
                  245                 250                 255  
 Pro Asn Ala Asp Gly Thr Trp Tyr Leu Gln Val Ile Leu Glu Val  
                  260                 265                 270  
 Ala Ser Glu Glu Pro Ala Gly Leu Ser Cys Arg Val Arg His Ser  
                  275                 280                 285  
 Ser Leu Gly Gly Gln Asp Ile Ile Leu Tyr Trp Ala His Ile Arg  
                  290                 295                 300  
 Thr Ser Cys Glu Thr Leu Pro Pro Asp Ser Pro Ile Val Leu Arg  
                  305                 310                 315  
 Thr Gln Gln Pro Arg Ser Leu Val Gln Tyr Ser Asp Ala Ile Pro  
                  320                 325                 330  
 Ser Thr Leu His Leu Asn Cys Phe Ser Phe Cys Ile Ile Asn Ile  
                  335                 340                 345  
 Cys

<210> 16  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520026CD1

&lt;400&gt; 16

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1				5				10						15
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
				20				25						30
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
				35				40						45
Gln	Val	Glu	Val	Gly	Gly	Gly	Arg	Gly	Arg	Gln	Val	Glu	Val	Val
				50				55						60
Gly	Gly	Val	Glu	Gly	Asp	Arg								
				65										

&lt;210&gt; 17

&lt;211&gt; 163

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7514650CD1

&lt;400&gt; 17

Met	Asn	Ser	Phe	Ser	Thr	Ser	Ala	Phe	Gly	Pro	Val	Ala	Phe	Ser
1				5					10					15
Leu	Gly	Leu	Leu	Leu	Val	Leu	Pro	Ala	Ala	Phe	Pro	Ala	Pro	Val
				20					25					30
Pro	Pro	Gly	Glu	Asp	Ser	Lys	Asp	Val	Ala	Ala	Pro	His	Arg	Gln
				35					40					45
Pro	Leu	Thr	Ser	Ser	Glu	Arg	Ile	Asp	Lys	Gln	Ile	Arg	Tyr	Ile
				50					55					60
Leu	Asp	Gly	Ile	Ser	Ala	Leu	Arg	Lys	Glu	Thr	Cys	Asn	Lys	Ser
				65					70					75
Asn	Met	Cys	Glu	Ser	Ser	Lys	Glu	Ala	Leu	Ala	Glu	Asn	Asn	Pro
				80					85					90
Asn	Leu	Pro	Lys	Met	Ala	Glu	Lys	Asp	Gly	Cys	Phe	Gln	Ser	Gly
				95					100					105
Phe	Asn	Glu	Ala	Lys	Asn	Leu	Asp	Ala	Ile	Thr	Thr	Pro	Asp	Pro
				110					115					120
Thr	Thr	Asn	Ala	Ser	Leu	Leu	Thr	Lys	Leu	Gln	Ala	Gln	Asn	Gln
				125					130					135
Trp	Leu	Gln	Asp	Met	Thr	Thr	His	Leu	Ile	Leu	Arg	Ser	Phe	Lys
				140					145					150
Glu	Phe	Leu	Gln	Ser	Ser	Leu	Arg	Ala	Leu	Arg	Gln	Met		
				155					160					

&lt;210&gt; 18

&lt;211&gt; 111

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518754CD1

&lt;400&gt; 18

Met	Lys	Ala	Leu	Met	Leu	Leu	Thr	Leu	Ser	Val	Leu	Leu	Cys	Trp
1				5					10					15
Val	Ser	Ala	Asp	Ile	Arg	Cys	His	Ser	Cys	Tyr	Lys	Val	Pro	Val
				20					25					30

```

Leu Gly Cys Val Asp Arg Gln Ser Cys Arg Leu Glu Pro Gly Gln
      35              40              45
Gln Cys Leu Thr Thr His Ala Tyr Leu Glu Glu Pro Cys Gln Glu
      50              55              60
Ala Phe Asn Gln Thr Asn Arg Lys Leu Gly Leu Thr Tyr Asn Thr
      65              70              75
Thr Cys Cys Asn Lys Asp Asn Cys Asn Ser Ala Gly Pro Arg Pro
      80              85              90
Thr Pro Ala Leu Gly Leu Val Phe Leu Thr Ser Leu Ala Gly Leu
      95              100             105
Gly Leu Trp Leu Leu His
      110

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&lt;210&gt; 19

&lt;211&gt; 264

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518846CD1

&lt;400&gt; 19

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Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser
  1              5              10              15
Leu Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe
      20              25              30
Glu Thr Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser
      35              40              45
Cys His Thr Glu Asp Asp Leu Thr Asp Ala Arg Glu Ala Gly Phe
      50              55              60
Gln Val Lys Ala Tyr Thr Phe Ser Glu Pro Phe His Leu Ile Val
      65              70              75
Ser Tyr Asp Trp Leu Ile Leu Gln Gly Pro Ala Lys Pro Val Phe
      80              85              90
Glu Gly Asp Leu Leu Val Leu Arg Cys Gln Ala Trp Gln Asp Trp
      95              100             105
Pro Leu Thr Gln Val Thr Phe Tyr Arg Asp Gly Ser Ala Leu Gly
      110             115             120
Pro Pro Gly Pro Asn Arg Glu Phe Ser Ile Thr Val Val Gln Lys
      125             130             135
Ala Asp Ser Gly His Tyr His Cys Ser Gly Ile Phe Gln Ser Pro
      140             145             150
Gly Pro Gly Ile Pro Glu Thr Ala Ser Val Val Ala Ile Thr Val
      155             160             165
Gln Gly Ala Ser Ser Ser Ala Ala Pro Pro Thr Leu Asn Pro Ala
      170             175             180
Pro Gln Lys Ser Ala Ala Pro Gly Thr Ala Pro Glu Glu Ala Pro
      185             190             195
Gly Pro Leu Pro Pro Pro Pro Thr Pro Ser Ser Glu Asp Pro Gly
      200             205             210
Phe Ser Ser Pro Leu Gly Met Pro Asp Pro His Leu Tyr His Gln
      215             220             225
Met Gly Leu Leu Leu Lys His Met Gln Asp Val Arg Val Leu Leu
      230             235             240
Gly His Leu Leu Met Glu Leu Arg Glu Leu Ser Gly His Arg Lys
      245             250             255
Pro Gly Thr Thr Lys Ala Thr Ala Glu
      260

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&lt;210&gt; 20

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519298CD1

&lt;400&gt; 20

Met	Lys	Ala	Ser	Ser	Leu	Ala	Phe	Ser	Leu	Leu	Ser	Ala	Ala	Phe
1				5					10					15
Tyr	Leu	Leu	Trp	Thr	Pro	Ser	Thr	Gly	Leu	Lys	Thr	Leu	Asn	Leu
				20					25					30
Gly	Ser	Cys	Val	Ile	Ala	Thr	Asn	Leu	Gln	Glu	Ile	Arg	Asn	Gly
				35					40					45
Phe	Ser	Glu	Ile	Arg	Gly	Ser	Val	Val	Arg	Lys	Arg	Val	Ser	Thr
				50					55					60
Ser	Pro	Glu	Ser	Leu	Phe	Ser	Ser	Phe	Leu	Val	Arg	Phe	Ser	Phe
				65					70					75
Leu	Ala	Val	Leu	Ala	Val									
				80										

&lt;210&gt; 21

&lt;211&gt; 282

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521374CD1

&lt;400&gt; 21

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1				5					10					15
Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Leu	Tyr	Glu	Lys
				20					25					30
Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr	Val	Arg	Ala	Gly	Glu
				35					40					45
Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser	Ser	Phe	Asp	Ile	Tyr
				50					55					60
His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu	Leu	Arg	Leu	Pro	Ala
				65					70					75
Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala	Asp	Phe	Pro	Leu	Gly
				80					85					90
Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys	Phe	Gly	Ser	Phe	His
				95					100					105
Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser	Asp	Pro	Leu	Pro	Val
				110					115					120
Ser	Val	Thr	Gly	Asn	Pro	Ser	Ser	Ser	Trp	Pro	Ser	Pro	Thr	Glu
				125					130					135
Pro	Ser	Phe	Lys	Thr	Gly	Ile	Ala	Arg	His	Leu	His	Ala	Val	Ile
				140					145					150
Arg	Tyr	Ser	Val	Ala	Ile	Ile	Leu	Phe	Thr	Ile	Leu	Pro	Phe	Phe
				155					160					165
Leu	Leu	His	Arg	Trp	Cys	Ser	Lys	Lys	Lys	Asn	Ala	Ala	Val	Met
				170					175					180
Asn	Gln	Glu	Pro	Ala	Gly	His	Arg	Thr	Val	Asn	Arg	Glu	Asp	Ser
				185					190					195
Asp	Glu	Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Ala	Gln	Leu	Asp	His
				200					205					210
Cys	Ile	Phe	Thr	Gln	Arg	Lys	Ile	Thr	Gly	Pro	Ser	Gln	Arg	Ser
				215					220					225
Lys	Arg	Pro	Ser	Thr	Asp	Thr	Ser	Val	Cys	Ile	Glu	Leu	Pro	Asn
				230					235					240
Ala	Glu	Pro	Arg	Ala	Leu	Ser	Pro	Ala	His	Glu	His	His	Ser	Gln

	245		250		255
Ala Leu Met Gly Ser	Ser Arg Glu Thr	Thr Ala Leu Ser Gln	Thr		
	260		265		270
Gln Leu Ala Ser Ser	Asn Val Pro Ala	Ala Gly Ile			
	275		280		

<210> 22  
 <211> 265  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7521399CD1

<400> 22

Met Ser Met Ser Pro Thr Val Ile Ile Leu Ala Cys Leu Gly Phe	
1 5 10 15	
Phe Leu Asp Gln Ser Val Trp Ala His Val Gly Gly Gln Asp Lys	
20 25 30	
Pro Phe Cys Ser Ala Trp Pro Ser Ala Val Val Pro Gln Gly Gly	
35 40 45	
His Val Thr Leu Arg Cys His Tyr Arg Arg Gly Phe Asn Ile Phe	
50 55 60	
Thr Leu Tyr Lys Lys Asp Gly Val Pro Val Pro Glu Leu Tyr Asn	
65 70 75	
Arg Ile Phe Trp Asn Ser Phe Leu Ile Ser Pro Val Thr Pro Ala	
80 85 90	
His Ala Gly Thr Tyr Arg Cys Arg Gly Phe His Pro His Ser Pro	
95 100 105	
Thr Glu Trp Ser Ala Pro Ser Asn Pro Leu Val Ile Met Val Thr	
110 115 120	
Gly Leu Tyr Glu Lys Pro Ser Leu Thr Ala Arg Pro Gly Pro Thr	
125 130 135	
Val Arg Ala Gly Glu Asn Val Thr Leu Ser Cys Ser Ser Gln Ser	
140 145 150	
Ser Phe Asp Ile Tyr His Leu Ser Arg Glu Gly Glu Ala His Glu	
155 160 165	
Leu Arg Leu Pro Ala Val Pro Ser Ile Asn Gly Thr Phe Gln Ala	
170 175 180	
Asp Phe Pro Leu Gly Pro Ala Thr His Gly Glu Thr Tyr Arg Cys	
185 190 195	
Phe Gly Ser Phe His Gly Ser Pro Tyr Glu Trp Ser Asp Pro Ser	
200 205 210	
Asp Pro Leu Pro Val Ser Val Thr Gly Asn Pro Ser Ser Ser Trp	
215 220 225	
Pro Ser Pro Thr Glu Pro Ser Phe Lys Thr Gly Ile Ala Arg His	
230 235 240	
Leu His Ala Val Ile Arg Cys Cys Cys Asn Glu Pro Arg Ala Cys	
245 250 255	
Gly Thr Gln Asn Ser Glu Gln Gly Gly Leu	
260 265	

<210> 23  
 <211> 565  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520356CD1

<400> 23

Met	Val	Ala	Pro	Lys	Ser	His	Thr	Asp	Asp	Trp	Ala	Pro	Gly	Pro
1				5					10					15
Phe	Ser	Ser	Lys	Pro	Gln	Arg	Ser	Gln	Leu	Gln	Ile	Phe	Ser	Ser
				20					25					30
Val	Leu	Gln	Thr	Ser	Leu	Leu	Phe	Leu	Leu	Met	Gly	Leu	Arg	Ala
				35					40					45
Ser	Gly	Lys	Asp	Ser	Ala	Pro	Thr	Val	Val	Ser	Gly	Ile	Leu	Gly
				50					55					60
Gly	Ser	Val	Thr	Leu	Pro	Leu	Asn	Ile	Ser	Val	Asp	Thr	Glu	Ile
				65					70					75
Glu	Asn	Val	Ile	Trp	Ile	Gly	Pro	Lys	Asn	Ala	Leu	Ala	Phe	Ala
				80					85					90
Arg	Pro	Lys	Glu	Asn	Val	Thr	Ile	Met	Val	Lys	Ser	Tyr	Leu	Gly
				95					100					105
Arg	Leu	Asp	Ile	Thr	Lys	Trp	Ser	Tyr	Ser	Leu	Cys	Ile	Ser	Asn
				110					115					120
Leu	Thr	Leu	Asn	Asp	Ala	Gly	Ser	Tyr	Lys	Ala	Gln	Ile	Asn	Gln
				125					130					135
Arg	Asn	Phe	Glu	Val	Thr	Thr	Glu	Glu	Glu	Phe	Thr	Leu	Phe	Val
				140					145					150
Tyr	Glu	Gln	Leu	Gln	Glu	Pro	Gln	Val	Thr	Met	Lys	Ser	Val	Lys
				155					160					165
Val	Ser	Glu	Asn	Phe	Ser	Cys	Asn	Ile	Thr	Leu	Met	Cys	Ser	Val
				170					175					180
Lys	Gly	Ala	Glu	Lys	Ser	Val	Leu	Tyr	Ser	Trp	Thr	Pro	Arg	Glu
				185					190					195
Pro	His	Ala	Ser	Glu	Ser	Asn	Gly	Gly	Ser	Ile	Leu	Thr	Val	Ser
				200					205					210
Arg	Thr	Pro	Cys	Asp	Pro	Asp	Leu	Pro	Tyr	Ile	Cys	Thr	Ala	Gln
				215					220					225
Asn	Pro	Val	Ser	Gln	Arg	Ser	Ser	Leu	Pro	Val	His	Val	Gly	Gln
				230					235					240
Phe	Cys	Thr	Asp	Pro	Gly	Ala	Ser	Arg	Gly	Gly	Thr	Thr	Gly	Glu
				245					250					255
Thr	Val	Val	Gly	Val	Leu	Gly	Glu	Pro	Val	Thr	Leu	Pro	Leu	Ala
				260					265					270
Leu	Pro	Ala	Cys	Arg	Asp	Thr	Glu	Lys	Val	Val	Trp	Leu	Phe	Asn
				275					280					285
Thr	Ser	Ile	Ile	Ser	Lys	Glu	Arg	Glu	Glu	Ala	Ala	Thr	Ala	Asp
				290					295					300
Pro	Leu	Ile	Lys	Ser	Arg	Asp	Pro	Tyr	Lys	Asn	Arg	Val	Trp	Val
				305					310					315
Ser	Ser	Gln	Asp	Cys	Ser	Leu	Lys	Ile	Ser	Gln	Leu	Lys	Ile	Glu
				320					325					330
Asp	Ala	Gly	Pro	Tyr	His	Ala	Tyr	Val	Cys	Ser	Glu	Ala	Ser	Ser
				335					340					345
Val	Thr	Ser	Met	Thr	His	Val	Thr	Leu	Leu	Ile	Tyr	Arg	Pro	Glu
				350					355					360
Arg	Asn	Thr	Lys	Leu	Trp	Ile	Gly	Leu	Phe	Leu	Met	Val	Cys	Leu
				365					370					375
Leu	Cys	Val	Gly	Ile	Phe	Ser	Trp	Cys	Ile	Trp	Lys	Arg	Lys	Gly
				380					385					390
Arg	Cys	Ser	Val	Pro	Ala	Phe	Cys	Ser	Ser	Gln	Ala	Glu	Ala	Pro
				395					400					405
Ala	Asp	Thr	Pro	Glu	Pro	Thr	Ala	Gly	His	Thr	Leu	Tyr	Ser	Val
				410					415					420
Leu	Ser	Gln	Gly	Tyr	Glu	Lys	Leu	Asp	Thr	Pro	Leu	Arg	Pro	Ala
				425					430					435
Arg	Gln	Gln	Pro	Thr	Pro	Thr	Ser	Asp	Ser	Ser	Ser	Asp	Ser	Asn
				440					445					450
Leu	Thr	Thr	Glu	Glu	Asp	Glu	Asp	Arg	Pro	Glu	Val	His	Lys	Pro
				455					460					465
Ile	Ser	Gly	Arg	Tyr	Glu	Val	Phe	Asp	Gln	Val	Thr	Gln	Glu	Gly

	470		475		480
Ala Gly His Asp	Pro Ala Pro Glu Gly	Gln Ala Asp Tyr Asp	Pro		
	485		490		495
Val Thr Pro Tyr	Val Thr Glu Ala Glu	Ser Val Val Gly Glu	Asn		
	500		505		510
Thr Met Tyr Ala	Gln Val Phe Asn Leu	Gln Gly Arg Thr Pro	Val		
	515		520		525
Pro Gln Lys Glu	Glu Ser Ser Ala Thr	Ile Tyr Cys Ser Ile	Arg		
	530		535		540
Lys Pro Gln Val	Val Pro Pro Pro Gln	Gln Asn Asp Leu Gly	Ile		
	545		550		555
Pro Glu Ser Pro	Thr Tyr Glu Asn Phe	Thr			
	560		565		

<210> 24  
 <211> 205  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520783CD1

<400> 24	
Met Trp Leu Leu Val	Ser Val Ile Leu Ile Ser Arg Ile Ser Ser
1 5	10 15
Val Gly Gly Glu Gly	Leu Cys Phe Phe Pro Phe Val Glu Asn Gly
20 25	30
His Ser Glu Ser Ser	Gly Gln Thr His Leu Glu Gly Asp Thr Val
35 40	45
Gln Ile Ile Cys Asn	Thr Gly Tyr Arg Leu Gln Asn Asn Glu Asn
50 55	60
Asn Ile Ser Cys Val	Glu Arg Gly Trp Ser Thr Pro Pro Lys Cys
65 70	75
Arg Ser Thr Ile Ser	Ala Glu Lys Cys Gly Pro Pro Pro Pro Ile
80 85	90
Asp Asn Gly Asp Ile	Thr Ser Phe Leu Leu Ser Val Tyr Ala Pro
95 100	105
Gly Ser Ser Val Glu	Tyr Gln Cys Gln Asn Leu Tyr Gln Leu Glu
110 115	120
Gly Asn Asn Gln Ile	Thr Cys Arg Asn Gly Gln Trp Ser Glu Pro
125 130	135
Pro Lys Cys Leu Asp	Pro Cys Val Ile Ser Gln Glu Ile Met Glu
140 145	150
Lys Tyr Asn Ile Lys	Leu Lys Trp Thr Asn Gln Gln Lys Leu Tyr
155 160	165
Ser Arg Thr Gly Asp	Ile Val Glu Phe Val Cys Lys Ser Gly Tyr
170 175	180
His Pro Thr Lys Ser	His Ser Phe Arg Ala Met Cys Gln Asn Gly
185 190	195
Lys Leu Val Tyr Pro	Ser Cys Glu Glu Lys
200	205

<210> 25  
 <211> 325  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520788CD1

<400> 25

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Met Ser Met Ser Pro Thr Val Ile Ile Leu Ala Cys Leu Gly Phe
 1          5          10          15
Phe Leu Asp Gln Ser Val Trp Ala His Val Gly Gly Gln Asp Lys
          20          25          30
Pro Phe Cys Ser Ala Trp Pro Ser Ala Val Val Pro Gln Gly Gly
          35          40          45
His Val Thr Leu Arg Cys His Tyr Arg Arg Gly Phe Asn Ile Phe
          50          55          60
Thr Leu Tyr Lys Lys Asp Gly Val Pro Val Pro Glu Leu Tyr Asn
          65          70          75
Arg Ile Phe Trp Asn Ser Phe Leu Ile Ser Pro Val Thr Pro Ala
          80          85          90
His Ala Gly Thr Tyr Arg Cys Arg Gly Phe His Pro His Ser Pro
          95          100          105
Thr Glu Trp Ser Ala Pro Ser Asn Pro Leu Val Ile Met Val Thr
          110          115          120
Gly Leu Tyr Glu Lys Pro Ser Leu Thr Ala Arg Pro Gly Pro Thr
          125          130          135
Val Arg Ala Gly Glu Asn Val Thr Leu Ser Cys Ser Ser Gln Ser
          140          145          150
Ser Phe Asp Ile Tyr His Leu Ser Arg Glu Gly Glu Ala His Glu
          155          160          165
Leu Arg Leu Pro Ala Val Pro Ser Ile Asn Gly Thr Phe Gln Ala
          170          175          180
Asp Phe Pro Leu Gly Pro Ala Thr His Gly Glu Thr Tyr Arg Cys
          185          190          195
Phe Gly Ser Phe His Gly Ser Pro Tyr Glu Trp Ser Asp Pro Ser
          200          205          210
Asp Pro Leu Pro Val Ser Val Thr Asp Ala Ala Val Met Asn Gln
          215          220          225
Glu Pro Ala Gly His Arg Thr Val Asn Arg Glu Asp Ser Asp Glu
          230          235          240
Gln Asp Pro Gln Glu Val Thr Tyr Ala Gln Leu Asp His Cys Ile
          245          250          255
Phe Thr Gln Arg Lys Ile Thr Gly Pro Ser Gln Arg Ser Lys Arg
          260          265          270
Pro Ser Thr Asp Thr Ser Val Cys Ile Glu Leu Pro Asn Ala Glu
          275          280          285
Pro Arg Ala Leu Ser Pro Ala His Glu His His Ser Gln Ala Leu
          290          295          300
Met Gly Ser Ser Arg Glu Thr Thr Ala Leu Ser Gln Thr Gln Leu
          305          310          315
Ala Ser Ser Asn Val Pro Ala Ala Gly Ile
          320          325

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&lt;210&gt; 26

&lt;211&gt; 165

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520790CD1

&lt;400&gt; 26

```

Met Thr Ser Glu Ile Thr Tyr Ala Glu Val Arg Phe Lys Asn Glu
 1          5          10          15
Phe Lys Ser Ser Gly Ile Asn Thr Ala Ser Ser Ala Glu Thr Ala
          20          25          30
Trp Ser Cys Cys Pro Lys Asn Trp Lys Ser Phe Ser Ser Asn Cys
          35          40          45
Tyr Phe Ile Ser Thr Glu Ser Ala Ser Trp Gln Asp Ser Glu Lys
          50          55          60

```

Asp	Cys	Ala	Arg	Met	Glu	Ala	His	Leu	Leu	Val	Ile	Asn	Thr	Gln
				65					70					75
Glu	Glu	Gln	Asp	Phe	Ile	Phe	Gln	Asn	Leu	Gln	Glu	Glu	Ser	Ala
				80					85					90
Tyr	Phe	Val	Gly	Leu	Ser	Asp	Pro	Glu	Gly	Gln	Arg	His	Trp	Gln
				95					100					105
Trp	Val	Asp	Gln	Thr	Pro	Tyr	Asn	Glu	Ser	Ser	Thr	Phe	Trp	His
				110					115					120
Pro	Arg	Glu	Pro	Ser	Asp	Pro	Asn	Glu	Arg	Cys	Val	Val	Leu	Asn
				125					130					135
Phe	Arg	Lys	Ser	Pro	Lys	Arg	Trp	Gly	Trp	Asn	Asp	Val	Asn	Cys
				140					145					150
Leu	Gly	Pro	Gln	Arg	Ser	Val	Cys	Glu	Met	Met	Lys	Ile	His	Leu
				155					160					165

&lt;210&gt; 27

&lt;211&gt; 216

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521242CD1

&lt;400&gt; 27

Met	Trp	Leu	Leu	Val	Ser	Val	Ile	Leu	Ile	Ser	Arg	Ile	Ser	Ser
1				5					10					15
Val	Gly	Gly	Glu	Glu	Glu	Gly	Trp	Ser	Pro	Thr	Pro	Lys	Cys	Leu
				20					25					30
Arg	Leu	Cys	Phe	Phe	Pro	Phe	Val	Glu	Asn	Gly	His	Ser	Glu	Ser
				35					40					45
Ser	Gly	Gln	Thr	His	Leu	Glu	Gly	Asp	Thr	Val	Gln	Ile	Ile	Cys
				50					55					60
Asn	Thr	Gly	Tyr	Arg	Leu	Gln	Asn	Asn	Glu	Asn	Asn	Ile	Ser	Cys
				65					70					75
Val	Glu	Arg	Gly	Trp	Ser	Thr	Pro	Pro	Lys	Cys	Arg	Ser	Thr	Ile
				80					85					90
Ser	Ala	Glu	Lys	Cys	Gly	Pro	Pro	Pro	Pro	Ile	Asp	Asn	Gly	Asp
				95					100					105
Ile	Thr	Ser	Phe	Leu	Leu	Ser	Val	Tyr	Ala	Pro	Gly	Ser	Ser	Val
				110					115					120
Glu	Tyr	Gln	Cys	Gln	Asn	Leu	Tyr	Gln	Leu	Glu	Gly	Asn	Asn	Gln
				125					130					135
Ile	Thr	Cys	Arg	Asn	Gly	Gln	Trp	Ser	Glu	Pro	Pro	Lys	Cys	Leu
				140					145					150
Asp	Pro	Cys	Val	Ile	Pro	Gln	Glu	Ile	Met	Glu	Lys	Tyr	Asn	Ile
				155					160					165
Lys	Leu	Lys	Trp	Thr	Asn	Gln	Gln	Lys	Leu	Tyr	Ser	Arg	Thr	Gly
				170					175					180
Asp	Ile	Val	Glu	Phe	Val	Cys	Lys	Ser	Gly	Tyr	His	Pro	Thr	Lys
				185					190					195
Ser	His	Ser	Phe	Arg	Ala	Met	Cys	Gln	Asn	Gly	Lys	Leu	Val	Tyr
				200					205					210
Pro	Ser	Cys	Glu	Glu	Lys									
				215										

&lt;210&gt; 28

&lt;211&gt; 228

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7522901CD1

&lt;400&gt; 28

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Met Gly Arg Pro Leu Leu Leu Pro Leu Leu Pro Leu Leu Leu Pro
 1          5          10          15
Pro Ala Phe Leu Gln Pro Ser Gly Ser Thr Gly Ser Gly Pro Ser
          20          25          30
Tyr Leu Tyr Gly Val Thr Gln Pro Lys His Leu Ser Ala Ser Met
          35          40          45
Gly Gly Ser Val Glu Ile Pro Phe Ser Phe Tyr Tyr Pro Trp Glu
          50          55          60
Leu Ala Thr Ala Pro Asp Val Arg Ile Ser Trp Arg Arg Gly His
          65          70          75
Phe His Gly Gln Ser Phe Tyr Ser Thr Arg Pro Pro Ser Ile His
          80          85          90
Lys Asp Tyr Val Asn Arg Leu Phe Leu Asn Trp Thr Glu Gly Gln
          95          100          105
Lys Ser Gly Phe Leu Arg Ile Ser Asn Leu Gln Lys Gln Asp Gln
          110          115          120
Ser Val Tyr Phe Cys Arg Val Glu Leu Asp Thr Arg Ser Ser Gly
          125          130          135
Arg Gln Gln Trp Gln Ser Ile Glu Gly Thr Lys Leu Ser Ile Thr
          140          145          150
Gln Gly Gln Gln Arg Thr Lys Ala Thr Thr Pro Ala Arg Glu Pro
          155          160          165
Phe Gln Asn Thr Glu Glu Pro Tyr Glu Asn Ile Arg Asn Glu Gly
          170          175          180
Glu Ser Leu Pro Pro Ser Phe Pro Ser Phe Tyr Pro Trp His Phe
          185          190          195
Leu Phe Pro Gln Ile Pro Pro Thr Trp Val Arg Ala Pro Val Ser
          200          205          210
Ile Phe Phe Phe Pro Phe Leu Ala Pro Cys Pro His Val Thr Leu
          215          220          225
Ala Leu Thr

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&lt;210&gt; 29

&lt;211&gt; 144

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7515599CD1

&lt;400&gt; 29

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Met Leu Leu Leu Phe Leu Leu Phe Glu Gly Leu Cys Cys Pro Gly
 1          5          10          15
Glu Asn Thr Ala Val Lys Pro Glu Ala Trp Leu Ser Cys Gly Pro
          20          25          30
Ser Pro Gly Pro Gly Arg Leu Gln Leu Val Cys His Val Ser Gly
          35          40          45
Phe Tyr Pro Lys Pro Val Trp Val Met Trp Met Arg Gly Glu Gln
          50          55          60
Glu Gln Arg Gly Thr Gln Arg Gly Asp Val Leu Pro Asn Ala Asp
          65          70          75
Glu Thr Trp Tyr Leu Arg Ala Thr Leu Asp Val Ala Ala Gly Glu
          80          85          90
Ala Ala Gly Leu Ser Cys Arg Val Lys His Ser Ser Leu Gly Gly
          95          100          105
His Asp Leu Ile Ile His Trp Ala Leu Ser Phe Ser Trp Glu Pro
          110          115          120

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Thr Leu Arg Thr Pro Arg Ile Gln Asp Ile Ser Ser Ala Trp His  
 125 130 135  
 Lys Tyr Arg Gly Ser Lys Thr Glu Tyr  
 140

<210> 30  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520320CD1

<400> 30  
 Met Pro Ala Ser Ser Pro Phe Leu Pro Ala Pro Lys Gly Pro Pro  
 1 5 10 15  
 Gly Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala  
 20 25 30  
 Leu Trp Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala  
 35 40 45  
 Met Ala Leu Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg  
 50 55 60  
 Glu Ser Ser Asp Ala Leu Glu Ala Trp Glu Ser Gly Glu Arg Ser  
 65 70 75  
 Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys Lys Gln His  
 80 85 90  
 Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys Asp Asp  
 95 100 105  
 Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg Gly  
 110 115 120  
 Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala  
 125 130 135  
 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr  
 140 145 150  
 Phe Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln  
 155 160 165  
 Glu Thr Leu Phe Arg Cys Ile Arg Ser Thr Pro Ser His Pro Asp  
 170 175 180  
 Arg Ala Tyr Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His  
 185 190 195  
 Gln Gly Asp Ile Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys  
 200 205 210  
 Leu Asn Leu Ser Pro His Gly Thr Phe Leu Gly Phe Val Lys Leu  
 215 220 225

<210> 31  
 <211> 166  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520323CD1

<400> 31  
 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu  
 1 5 10 15  
 Thr Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln  
 20 25 30  
 Tyr Leu Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln  
 35 40 45

Lys	Leu	Val	Ser	Asp	Cys	Thr	Glu	Phe	Thr	Glu	Thr	Glu	Cys	Leu
				50					55					60
Pro	Cys	Gly	Glu	Ser	Glu	Phe	Leu	Asp	Thr	Trp	Asn	Arg	Glu	Thr
				65					70					75
His	Cys	His	Gln	His	Lys	Tyr	Cys	Asp	Pro	Asn	Leu	Gly	Leu	Arg
				80					85					90
Val	Gln	Gln	Lys	Gly	Thr	Ser	Glu	Thr	Asp	Thr	Ile	Cys	Thr	Cys
				95					100					105
Glu	Glu	Gly	Trp	His	Cys	Thr	Ser	Glu	Ala	Cys	Glu	Ser	Cys	Val
				110					115					120
Leu	His	Arg	Ser	Cys	Ser	Pro	Gly	Phe	Gly	Val	Lys	Gln	Ile	Ala
				125					130					135
Val	Arg	Pro	Lys	Thr	Trp	Leu	Cys	Asn	Arg	Gln	Ala	Gln	Thr	Arg
				140					145					150
Leu	Met	Leu	Ser	Val	Val	Ser	Pro	Gly	Gln	Trp	Ala	Leu	Glu	Lys
				155					160					165

Ala

<210> 32  
 <211> 181  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520324CD1

Met	Ala	Gly	Pro	Pro	Arg	Leu	Leu	Leu	Leu	Pro	Leu	Leu	Leu	Ala
1				5					10					15
Leu	Ala	Arg	Gly	Leu	Pro	Gly	Ala	Leu	Ala	Ala	Gln	Gly	Arg	Thr
				20					25					30
Phe	Ser	Val	Leu	Leu	Ala	Arg	Leu	Met	Val	Thr	Ala	Gln	Val	Leu
				35					40					45
Pro	Arg	Gly	Ala	Ala	Val	Ser	Pro	Leu	His	Asp	Cys	Pro	Arg	Gly
				50					55					60
Ser	Leu	Arg	Gln	His	His	Leu	Leu	His	Gln	Arg	Gly	Pro	Ala	Trp
				65					70					75
Asp	Leu	Pro	Glu	Ala	Ala	Arg	Ala	Thr	Ala	Pro	Arg	His	His	Leu
				80					85					90
Leu	Arg	Gly	Arg	Gly	Gly	Ala	His	Tyr	Gly	Gln	Thr	Val	Pro	Gly
				95					100					105
Pro	His	Arg	Leu	Leu	Arg	Val	Pro	Gly	Gln	Pro	Asp	Tyr	His	His
				110					115					120
Ala	Pro	Pro	Ala	Ala	Val	Gly	His	Trp	His	Leu	His	Leu	Pro	Gly
				125					130					135
His	His	Gly	Gly	Gln	Cys	Leu	Arg	Leu	Arg	His	Pro	Gly	Pro	Gly
				140					145					150
Asp	Arg	Gly	Thr	Val	Pro	Arg	Met	Ala	Gln	Met	Leu	Gly	Arg	Pro
				155					160					165
Thr	Lys	Gly	Leu	Cys	Pro	Pro	Cys	Pro	Thr	Asp	Arg	Leu	Arg	Pro
				170					175					180

Pro

<210> 33  
 <211> 412  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

&lt;223&gt; Incyte ID No: 7521033CD1

&lt;400&gt; 33

Met	Ile	Thr	Glu	Gly	Ala	Gln	Ala	Pro	Arg	Leu	Leu	Leu	Pro	Pro
1				5					10					15
Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val
				20					25					30
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly
				35					40					45
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr
				50					55					60
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys
				65					70					75
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser
				80					85					90
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val
				95					100					105
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu
				110					115					120
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Ala
				125					130					135
His	Gly	Ala	Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala
				140					145					150
Ser	Cys	His	Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg
				155					160					165
Lys	Cys	Ser	Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro
				170					175					180
Cys	Pro	Gly	Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro
				185					190					195
Pro	Cys	Pro	Val	Ala	Gly	Gly	Trp	Gly	Pro	Trp	Gly	Pro	Val	Ser
				200					205					210
Pro	Cys	Pro	Val	Thr	Cys	Gly	Leu	Gly	Gln	Thr	Met	Glu	Gln	Arg
				215					220					225
Thr	Cys	Asn	His	Pro	Val	Pro	Gln	His	Gly	Gly	Pro	Phe	Cys	Ala
				230					235					240
Gly	Asp	Ala	Thr	Arg	Thr	His	Ile	Cys	Asn	Thr	Ala	Val	Pro	Cys
				245					250					255
Pro	Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser	Pro	Cys
				260					265					270
Ile	Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile	Pro	Gly
				275					280					285
Gln	Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe	Asp	Gly
				290					295					300
His	Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys	Tyr	Ser
				305					310					315
Ile	Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp	Ser	Thr
				320					325					330
Trp	Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr	Arg	Ala
				335					340					345
Arg	Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro	Pro	Thr
				350					355					360
Val	Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr	Phe	Trp
				365					370					375
Gly	Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln	Lys	Leu
				380					385					390
Val	Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala	Cys	Lys
				395					400					405
Asp	Pro	Glu	Glu	Glu	Glu	Leu								
				410										

&lt;210&gt; 34

&lt;211&gt; 354

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521107CD1

&lt;400&gt; 34

Met	Ile	Thr	Glu	Gly	Ala	Gln	Ala	Pro	Arg	Leu	Leu	Leu	Pro	Pro	1	5	10	15
Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val	20	25	30	35
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly	40	45	50	55
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr	60	65	70	75
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys	80	85	90	95
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser	100	105	110	115
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val	120	125	130	135
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu	140	145	150	155
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Ala	160	165	170	175
His	Gly	Ala	Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala	180	185	190	195
Ser	Cys	His	Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg	200	205	210	215
Lys	Cys	Ser	Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro	220	225	230	235
Cys	Pro	Gly	Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro	240	245	250	255
Pro	Cys	Pro	Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser	260	265	270	275
Pro	Cys	Ile	Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile	280	285	290	295
Pro	Gly	Gln	Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe	300	305	310	315
Asp	Gly	His	Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys	320	325	330	335
Tyr	Ser	Ile	Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp	340	345	350	
Ser	Thr	Trp	Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr				
Arg	Ala	Arg	Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro				
Pro	Thr	Val	Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr				
Phe	Trp	Gly	Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln				
Lys	Leu	Val	Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala				
Cys	Lys	Asp	Pro	Glu	Glu	Glu	Glu	Leu										

&lt;210&gt; 35

&lt;211&gt; 265

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521220CD1

&lt;400&gt; 35

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Met Ser Met Ser Pro Thr Val Ile Ile Leu Ala Cys Leu Gly Phe
 1          5          10          15
Phe Leu Asp Gln Ser Val Trp Ala His Val Gly Leu Tyr Glu Lys
          20          25          30
Pro Ser Leu Thr Ala Arg Pro Gly Pro Thr Val Arg Ala Gly Glu
          35          40          45
Asn Val Thr Leu Ser Cys Ser Ser Gln Ser Ser Phe Asp Ile Tyr
          50          55          60
His Leu Ser Arg Glu Gly Glu Ala His Glu Leu Arg Leu Pro Ala
          65          70          75
Val Pro Ser Ile Asn Gly Thr Phe Gln Ala Asp Phe Pro Leu Gly
          80          85          90
Pro Ala Thr His Gly Glu Thr Tyr Arg Cys Phe Gly Ser Phe His
          95          100          105
Gly Ser Pro Tyr Glu Trp Ser Asp Pro Ser Asp Pro Leu Pro Val
          110          115          120
Ser Val Thr Gly Ile Ala Arg His Leu His Ala Val Ile Arg Tyr
          125          130          135
Ser Val Ala Ile Ile Leu Phe Thr Ile Leu Pro Phe Phe Leu Leu
          140          145          150
His Arg Trp Cys Ser Lys Lys Lys Asn Ala Ala Val Met Asn Gln
          155          160          165
Glu Pro Ala Gly His Arg Thr Val Asn Arg Glu Asp Ser Asp Glu
          170          175          180
Gln Asp Pro Gln Glu Val Thr Tyr Ala Gln Leu Asp His Cys Ile
          185          190          195
Phe Thr Gln Arg Lys Ile Thr Gly Pro Ser Gln Arg Ser Lys Arg
          200          205          210
Pro Ser Thr Asp Thr Ser Val Cys Ile Glu Leu Pro Asn Ala Glu
          215          220          225
Pro Arg Ala Leu Ser Pro Ala His Glu His His Ser Gln Ala Leu
          230          235          240
Met Gly Ser Ser Arg Glu Thr Thr Ala Leu Ser Gln Thr Gln Leu
          245          250          255
Ala Ser Ser Asn Val Pro Ala Ala Gly Ile
          260          265

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&lt;210&gt; 36

&lt;211&gt; 772

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519269CB1

&lt;400&gt; 36

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tgccagggcg cacaacggcc gtgtccacct cccggcccca agatggtgct tcccacaggc 60
agccacgcgt agcagccaga gacagctcca gacatgtggc tcttcttcgg gatcactgga 120
ttgctgacgg cagccctctc aggacttgaa gagttgcatg cctcccacat cccaactgcc 180
aaccctggac actgcattac agaccgcca tccctggggc ctcagtatca cccgaggagc 240
aacagtgagt cgagcacctc ttcgggggag gattactgca atagtcccaa aagcaagctg 300
cctccatgga acccccaggt gttttcttca gagaggagtt ccttcctgga gcagcccca 360
aacttggagc tggccggcac ccagccagcc ttttcagggt cccccagccc tcagcctgac 420
tccaccgaca acgatgacta cgatgacatc agcgcagcct aggcgggggc cagccgaggc 480
tccctgggggtg gctctgacct tctggcctcc tgctctacct actccctttc ccctttccca 540
ccctcccagc tcacctcccc atggagctga gaggcctccc ttggagagat ggaaggaaac 600
gttatacctt gtaccctctg gtctccatcc atcaagccaa acctgctgcc acagccctcc 660
cccggcccca gatagcagcc ccagggagga tgctgcctcc aagaggtgtg agccctctgt 720
ctcgggggatg aacaagcaga gtctgggcta cctcttgaca gctggtggag ga 772

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<210> 37  
 <211> 1108  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7519418CB1

<400> 37  
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 agccacgcgt agcagccaga gacagctcca gacatgtggc tcttcttcgg gatcactgga 120  
 ttgctgacgg cagccccctc agaattcttct gtgacagtga aaatagagaa caaggaatct 180  
 cgggagctaa tgctcctcat cccctccatc gttctgggaa ttctcctcct tggctccctc 240  
 atcttcatag ccttcatcct cttgagaatt aaaggaaaat atgttttcat gctgccccatc 300  
 cagggtccagg ccccgccccc tgaggactca gactctggct cggactcaga ctatgagcac 360  
 tatgacttca gcgcccagcc tcctgtggcc ctgaccacct tctacaattc ccagcggcat 420  
 cgggtcacag atgaggaggt ccagcaaagc aggttccaga tgccaccctt ggaggaagga 480  
 cttgaagagt tgcattgcctc ccacatccca actgccaaac ctggacactg cattacagac 540  
 ccgccatccc tgggcccctca gtatcacccg aggagcaaca gtgagtcgag cacctcttcg 600  
 ggggagggatt actgcaatag tcccaaaagc aagctgcctc catggaaccc ccagggtgtt 660  
 tcttcagaga ggagttcctt cctggagcag cccccaactc tggagctggc tggcaccag 720  
 ccagcctttt cagggtcccc cagccctcag cctgactcca ccgacaacga tgactacgat 780  
 gacatcacgc cagcctaggg cggggccagc cgaggctcct ggggtggctc tgaccctctg 840  
 gcctcctgct ctacctactc cttttccctt ttcccaccct ccagctcac ctccccatgg 900  
 agctgagagg cctcccttgg agagatggaa ggaaacgtta taccttgtac ccctcggct 960  
 ccatccatca agccaaacct gctgccacag ccctcccccg gccccagata gcagccccag 1020  
 ggaggatgct gcctccaaga ggtgtgagcc ctctgtctcg gggatgaaca agcagagtct 1080  
 gggctacctc ttgacagctg gtggagga 1108

<210> 38  
 <211> 947  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7519531CB1

<400> 38  
 tgccaggggcg cacaacggcc gtgtccacct cccggcccca agatgggtgct tcccacaggc 60  
 agccacgcgt agcagccaga gacagctcca gacatgtggc tcttcttcgg gatcactgga 120  
 ttgctgacgg cagccctctc agattcccag cggcatcggg tcacagatga ggagggtccag 180  
 caaagcaggt tccagatgcc acccttggag gaaggacttg aagagttgca tgctccccac 240  
 atcccaactg ccaaccctgg acactgcatt acagaccgc catccctggg ccctcagtat 300  
 caccggagga gcaacagtga gtgcagcacc tcttcagggg aggattactg caatagtccc 360  
 aaaagcaagc tgcctccatg gaacccccag gtgttttctt cagagaggag ttcttctctg 420  
 gagcagcccc caaacttggg gctggccggc acccagccag ccttttcagg gccccggct 480  
 gatgacagct ccagcacctc atccggggag tggtagcaga acttccagcc accaccccag 540  
 ccccttctcg aggagcagtt tggctgtcca ggggtcccca gccctcagcc tgactccacc 600  
 gacaacgatg actacgatga catcagcgca gcctaggccg gggccagccg aggtctcctg 660  
 ggtggctctg accctctggc ctctgtctct acctactccc tttccccctt cccaccctcc 720  
 cagctcacct ccccatggag ctgagagggc ctcccttggg gagatggaag gaaacgctat 780  
 accttgtacc cctcgggtct catccatcaa gccaaacctg ctgccacagc cctccccgg 840  
 cccagatag cagccccagg gaggatgctg cctccaagag gtgtgagccc tctgtctcg 900  
 ggatgaacaa gcagagtctg ggctacctct tgacagctgg tggagga 947

<210> 39  
 <211> 821  
 <212> DNA  
 <213> Homo sapiens

<220>

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519542CB1

&lt;400&gt; 39

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&lt;210&gt; 40

&lt;211&gt; 610

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519541CB1

&lt;400&gt; 40

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gagatcctaa 610

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&lt;210&gt; 41

&lt;211&gt; 705

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520794CB1

&lt;400&gt; 41

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 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520826CB1

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 caccgcccc tgggatccgc aggttcccta cacggctctc tgggtcaaga agtttgcacg 180  
 gctacagagt atcttcccag atttttctaa agctggcatg gaacgagctt ttctcccagt 240  
 tacctcccca aataagcatt tagggctagt gactcctcac aagacagaac tggatgagc 300  
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<210> 43  
 <211> 715  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520871CB1

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 gtgctttatt ttgcccgtg gttaaagtcc tctccaccc cagcacctac ctgttcctca 660  
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<210> 44  
 <211> 834  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520952CB1

<400> 44  
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 gattcccttg gatggatctg tgaaaatcca gtgccaggcc atctgtgaag cttacctgac 180  
 ccagctgatg atcataaaaa actccacgta ccgagagata ggcagaagac tgaagttttg 240  
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<210> 45

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7521013CB1

<400> 45

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aggggaagag gcagaacaag gggagggtgga catggagagc caccggaatg ccaacgcaga 480
gccagctgtt cagcgtactc ttttagagaa atagaagatt gtcggcagga acagcccagg 540
cgttggcagc agggttagaa cagct 565
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<210> 46

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7520129CB1

<400> 46

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cgggcatccc ttacaaagg actggatagt gctgtggaag tctgtgttgt gtatgggaat 240
tactcccagc agcttcaggg gaggagtaag aggagcaggc tcctgcacag tgactacatg 300
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<210> 47

<211> 619

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7520219CB1

<400> 47

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<210> 48  
 <211> 782  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520229CB1

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 tcttggaatt ccggtcggaa caaagctttc tcggagccta ggtagttcta aaccaacgtt 660  
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 aa 782

<210> 49  
 <211> 725  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520239CB1

<400> 49  
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 acgccggccc gcatccccc tccagcaccat ccagcccaag gccaatTTTg atgctcagca 180  
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 gggccaccgg gccgaggcca ccacactgca tgtggctccc cagggcacag ccatggctgt 300  
 cagtaccttc cgaaagctgg atgggatctg ttggcaggcg cgccagctct atggagacac 360  
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 gtcagtgaag ctctacgagc cctccacgcc gcctgggtgcc aggaccccag gaaccctgtc 540  
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 gtccaggagg cccacctgac tgaggaccag atcttctact tccccaagta cggcttctgc 660  
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 ccagt 725

<210> 50  
 <211> 1148  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7518556CB1

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 tcccagggtg tgacaatgca gacgcatccc aggaacacgt ctcttccat gtcattccaga 180  
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<210> 51

<211> 849

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7520026CB1

<400> 51

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<210> 52

<211> 962

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7514650CB1

<400> 52

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aaggagttcc tgcagtccag cctgagggct cttcggcaaa tgtagcatgg gcacctcaga 540
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aa 962

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&lt;210&gt; 53

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518754CB1

&lt;400&gt; 53

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ctcattccat tggcta 376

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&lt;210&gt; 54

&lt;211&gt; 804

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518846CB1

&lt;400&gt; 54

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&lt;210&gt; 55

&lt;211&gt; 936

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519298CB1

&lt;400&gt; 55

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&lt;211&gt; 862

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7521374CB1

&lt;400&gt; 56

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&lt;211&gt; 1074

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;400&gt; 57

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&lt;210&gt; 58

&lt;211&gt; 1723

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

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&lt;210&gt; 59

&lt;211&gt; 687

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7520783CB1

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&lt;211&gt; 1164

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7522901CB1

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&lt;211&gt; 471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7515599CB1

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